

Application No.: 10/726,968

Case No.: 59418US002

Amendments to the Claims:

Please amend claims 1 and 15-17 as shown in the following claim listing:

1. (Currently amended) A light source, comprising:
an LED that emits excitation light;
a layer of phosphor material positioned to receive the excitation light, the phosphor material emitting visible light when illuminated with the excitation light; and
a non-planar flexible multilayer reflector that transmits the excitation light and reflects visible light, the non-planar flexible multilayer reflector being positioned between the LED and the layer of phosphor material;
wherein the non-planar flexible multilayer reflector comprises a polymeric material that resists degradation when exposed to blue, violet, or ultraviolet light.
2. (Original) The light source according to claim 1, wherein the non-planar flexible multilayer reflector comprises polymeric material.
3. (Original) The light source according to claim 1, wherein the non-planar flexible multilayer reflector comprises alternating layers of a first and second thermoplastic polymer and wherein at least some of the layers are birefringent.
4. (Original) The light source according to claim 1, wherein the excitation light comprises UV light.
5. (Original) The light source according to claim 1, wherein the non-planar flexible multilayer reflector is a concave polymeric multilayer reflector.
6. (Original) The light source according to claim 1, wherein the non-planar flexible multilayer reflector is a hemispherical concave polymeric multilayer reflector.

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7. (Original) The light source according to claim 1, wherein the layer of phosphor material is disposed on the non-planar flexible multilayer reflector.
8. (Original) The light source according to claim 1, wherein the non-planar flexible multilayer reflector comprises a polymeric material that resists degradation when exposed to U.V. light.
9. (Original) The light source according to claim 2, wherein the non-planar polymeric multilayer reflector is a polymeric material substantially free of inorganic materials.
10. (Original) The light source according to claim 1, wherein the layer of phosphor material is a discontinuous layer of phosphor material.
11. (Original) The light source according to claim 1, wherein the layer of phosphor material is a plurality of dots of phosphor material.
12. (Original) The light source according to claim 11, wherein each dot has an area of less than 10000 microns².
13. (Original) The light source according to claim 11, wherein the plurality of dots comprise phosphor material that emit red, green and blue light when illuminated with excitation light.
14. (Original) The light source according to claim 11, wherein at least a first phosphor dot emits light at a first wavelength and a second phosphor dot emits light at a second wavelength different than the first wavelength.
15. (Currently amended) A method of manufacturing a light source, comprising the steps of:
providing [[a]]an LED that emits excitation light;
positioning a layer of phosphor material such that the phosphor material emits visible light when illuminated with the excitation light; and

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positioning a non-planar flexible multilayer reflector that transmits the excitation light onto the phosphor material and reflects visible light, the non-planar flexible multilayer reflector comprising a polymeric material that resists degradation when exposed to blue, violet, or ultraviolet light.

16. (Currently amended) The method according to claim 15, wherein the positioning a non-planar flexible multilayer reflector further comprises shaping a flexible multilayer reflector to form [[a]]the non-planar flexible multilayer reflector.

17. (Currently amended) The method according to claim 15, further comprising thermoforming a polymeric multilayer reflector to form [[a]]the non-planar flexible multilayer reflector.